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#8

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/004,219
Source: 01PE
Date Processed by STIC: 06-10-02

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
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Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
Or
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Does Not Comply
Corrected Diskette Needed



OIPE

RAW SEQUENCE LISTING

DATE: 06/10/2002

PATENT APPLICATION: US/10/004,219

TIME: 15:42:24

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\06102002\J004219.raw

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3 <110> APPLICANT: Macrozyme
4     Aerts, Johannes M.F.G.
5     Boot, Rolf G.
7 <120> TITLE OF INVENTION: A mammalian mucinase, its recombinant production, and
8     its use in therapy or prophylaxis against diseases in
9     which mucus is involved or infection diseases
11 <130> FILE REFERENCE: 2183-5136US
13 <140> CURRENT APPLICATION NUMBER: 10/004,219
C--> 14 <141> CURRENT FILING DATE: 2002-06-03
16 <160> NUMBER OF SEQ ID NOS: 14
18 <170> SOFTWARE: PatentIn Ver. 2.1

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ERRORED SEQUENCES

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20 <210> SEQ ID NO: 1
21 <211> LENGTH: 476
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial Sequence
W--> 25 <220> FEATURE:
25 <223> OTHER INFORMATION: Description of Artificial Sequence: human AMCase
26     amino acid sequence deduced from cDNA sequence
E--> 28 <400> SEQUENCE: 1
29 Met Thr Lys Leu Ile Leu Leu Thr Gly Leu Val Leu Ile Leu Asn Leu
30 1 5 10 15
32 Gln Leu Gly Ser Ala Tyr Gln Leu Thr Cys Tyr Phe Thr Asn Trp Ala
33 20 25 30
35 Gln Tyr Arg Pro Gly Leu Gly Arg Phe Met Pro Asp Asn Ile Asp Pro
36 35 40 45
38 Cys Leu Cys Thr His Leu Ile Tyr Ala Phe Ala Gly Arg Gln Asn Asn
39 50 55 60
41 Glu Ile Thr Thr Ile Glu Trp Asn Asp Val Thr Leu Tyr Gln Ala Phe
42 65 70 75 80
44 Asn Gly Leu Lys Asn Lys Asn Ser Gln Leu Lys Thr Leu Leu Ala Ile
45 85 90 95
47 Gly Gly Trp Asn Phe Gly Thr Ala Pro Phe Thr Ala Met Val Ser Thr
48 100 105 110
50 Pro Glu Asn Arg Gln Thr Phe Ile Thr Ser Val Ile Lys Phe Leu Arg
51 115 120 125
53 Gln Tyr Glu Phe Asp Gly Leu Asp Phe Asp Trp Glu Tyr Pro Gly Ser
54 130 135 140
56 Arg Gly Ser Pro Pro Gln Asp Lys His Leu Phe Thr Val Leu Val Gln
57 145 150 155 160

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*Whenever numeric identifiers
<221>, <222>, or <223> are used
numeric identifier <220> is
mandatory*

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59 Glu Met Arg Glu Ala Phe Glu Gln Glu Ala Lys Gln Ile Asn Lys Pro
60      165      170      175
62 Arg Leu Met Val Thr Ala Ala Val Ala Gly Ile Ser Asn Ile Gln
63      180      185      190
65 Ser Gly Tyr Glu Ile Pro Gln Leu Ser Gln Tyr Leu Asp Tyr Ile His
66      195      200      205
68 Val Met Thr Tyr Asp Leu His Gly Ser Trp Glu Gly Tyr Thr Gly Glu
69      210      215      220
71 Asn Ser Pro Leu Tyr Lys Tyr Pro Thr Asp Thr Gly Ser Asn Ala Tyr
72 225      230      235      240
74 Leu Asn Val Asp Tyr Val Met Asn Tyr Trp Lys Asp Asn Gly Ala Pro
75      245      250      255
77 Ala Glu Lys Leu Ile Val Gly Phe Pro Thr Tyr Gly His Asn Phe Ile
78      260      265      270
80 Leu Ser Asn Pro Ser Asn Thr Gly Ile Gly Ala Pro Thr Ser Gly Ala
81      275      280      285
83 Gly Pro Ala Gly Pro Tyr Ala Lys Glu Ser Gly Ile Trp Ala Tyr Tyr
84      290      295      300
86 Glu Ile Cys Thr Phe Leu Lys Asn Gly Ala Thr Gln Gly Trp Asp Ala
87 305      310      315      320
89 Pro Gln Glu Val Pro Tyr Ala Tyr Gln Gly Asn Val Trp Val Gly Tyr
90      325      330      335
92 Asp Asn Ile Lys Ser Phe Asp Ile Lys Ala Gln Trp Leu Lys His Asn
93      340      345      350
95 Lys Phe Gly Gly Ala Met Val Trp Ala Ile Asp Leu Asp Asp Phe Thr
96      355      360      365
98 Gly Thr Phe Cys Asn Gln Gly Lys Phe Pro Leu Ile Ser Thr Leu Lys
99      370      375      380
101 Lys Ala Leu Gly Leu Gln Ser Ala Ser Cys Thr Ala Pro Ala Gln Pro
102 385      390      395      400
104 Ile Glu Pro Ile Thr Ala Ala Pro Ser Gly Ser Gly Asn Gly Ser Gly
105      405      410      415
107 Ser Ser Ser Ser Gly Gly Ser Ser Gly Gly Ser Gly Phe Cys Ala Val
108      420      425      430
110 Arg Ala Asn Gly Leu Tyr Pro Val Ala Asn Asn Arg Asn Ala Phe Trp
111      435      440      445
113 His Cys Val Asn Gly Val Thr Tyr Gln Gln Asn Cys Gln Ala Gly Leu
114      450      455      460
116 Val Phe Asp Thr Ser Cys Asp Cys Cys Asn Trp Ala
117 465      470      475

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412 <210> SEQ ID NO: 4

413 <211> LENGTH: 473

414 <212> TYPE: PRT

415 <213> ORGANISM: Artificial Sequence

W--> 416 <220> FEATURE:

416 <223> OTHER INFORMATION: Description of Artificial Sequence: mouse AMCase
 417 amino acid sequence deduced from cDNA sequence

E--> 419 <400> SEQUENCE: 4

420 Met Ala Lys Leu Leu Leu Val Thr Gly Leu Ala Leu Leu Leu Asn Ala

See page 1

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421      1              5              10              15
423 Gln Leu Gly Ser Ala Tyr Asn Leu Ile Cys Tyr Phe Thr Asn Trp Ala
424      20              25              30
426 Gln Tyr Arg Pro Gly Leu Gly Ser Phe Lys Pro Asp Asp Ile Asn Pro
427      35              40              45
429 Cys Leu Cys Thr His Leu Ile Tyr Ala Phe Ala Gly Met Gln Asn Asn
430      50              55              60
432 Glu Ile Thr Thr Ile Glu Trp Asn Asp Val Thr Leu Tyr Lys Ala Phe
433      65              70              75              80
435 Asn Asp Leu Lys Asn Arg Asn Ser Lys Leu Lys Thr Leu Leu Ala Ile
436      85              90              95
438 Gly Gly Trp Asn Phe Gly Thr Ala Pro Phe Thr Thr Met Val Ser Thr
439      100             105             110
441 Ser Gln Asn Arg Gln Thr Phe Ile Thr Ser Val Ile Lys Phe Leu Arg
442      115             120             125
444 Gln Tyr Gly Phe Asp Gly Leu Asp Leu Asp Trp Glu Tyr Pro Gly Ser
445      130             135             140
447 Arg Gly Ser Pro Pro Gln Asp Lys His Leu Phe Thr Val Leu Val Lys
448      145             150             155             160
450 Glu Met Arg Glu Ala Phe Glu Gln Glu Ala Ile Glu Ser Asn Arg Pro
451      165             170             175
453 Arg Leu Met Val Thr Ala Ala Val Ala Gly Gly Ile Ser Asn Ile Gln
454      180             185             190
456 Ala Gly Tyr Glu Ile Pro Glu Leu Ser Lys Tyr Leu Asp Phe Ile His
457      195             200             205
459 Val Met Thr Tyr Asp Leu His Gly Ser Trp Glu Gly Tyr Thr Gly Glu
460      210             215             220
462 Asn Ser Pro Leu Tyr Lys Tyr Pro Thr Glu Thr Gly Ser Asn Ala Tyr
463      225             230             235             240
465 Leu Asn Val Asp Tyr Val Met Asn Tyr Trp Lys Asn Asn Gly Ala Pro
466      245             250             255
468 Ala Glu Lys Leu Ile Val Gly Phe Pro Glu Tyr Gly His Thr Phe Ile
469      260             265             270
471 Leu Arg Asn Pro Ser Asp Asn Gly Ile Gly Ala Pro Thr Ser Gly Asp
472      275             280             285
474 Gly Pro Ala Gly Ala Tyr Thr Arg Gln Ala Gly Phe Trp Ala Tyr Tyr
475      290             295             300
477 Glu Ile Cys Thr Phe Leu Arg Ser Gly Ala Thr Glu Val Trp Asp Ala
478      305             310             315             320
480 Ser Gln Glu Val Pro Tyr Ala Tyr Lys Ala Asn Glu Trp Leu Gly Tyr
481      325             330             335
483 Asp Asn Ile Lys Ser Phe Ser Val Lys Ala Gln Trp Leu Lys Gln Asn
484      340             345             350
486 Asn Phe Gly Gly Ala Met Ile Trp Ala Ile Asp Leu Asp Asp Phe Thr
487      355             360             365
489 Gly Ser Phe Cys Asp Gln Gly Lys Phe Pro Leu Thr Ser Thr Leu Asn
490      370             375             380
492 Lys Ala Leu Gly Ile Ser Thr Glu Gly Cys Thr Ala Pro Asp Val Pro
493      385             390             395             400

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```

495 Ser Glu Pro Val Thr Thr Pro Pro Gly Ser Gly Ser Gly Gly Gly Ser
496                               405                               410                               415
498 Ser Gly Gly Ser Ser Gly Gly Ser Gly Phe Cys Ala Asp Lys Ala Asp
499                               420                               425                               430
501 Gly Leu Tyr Pro Val Ala Asp Asp Arg Asn Ala Phe Trp Gln Cys Ile
502                               435                               440                               445
504 Asn Gly Ile Thr Tyr Gln Gln His Cys Gln Ala Gly Leu Val Phe Asp
505                               450                               455                               460
507 Thr Ser Cys Asn Cys Cys Asn Trp Pro
508 465                               470

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/004,219

DATE: 06/10/2002

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Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF3\06102002\J004219.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:25 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:1
L:28 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:1
L:177 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:181 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:185 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:189 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:193 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:197 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:201 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:205 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:209 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:213 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:217 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:221 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:225 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:229 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:233 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:237 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:241 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:245 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:249 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:253 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:257 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:261 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:2
L:416 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:4
L:419 M:200 E: Mandatory Header Field missing, <220> not found for SEQ ID#:4